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Searching by Document Number

** Result [Utility-model] ** Format(P803) 21.Jan.2004

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Application no/date: 1987-123583[1987/08/12]
Date of request for examination: [1991/06/12]
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Registration no/date: []
Examined publication date (present law): []
PCT application no []
PCT publication no/date []
Applicant: TOGO SEISAKUSYO CORP
Inventor: SATO MASAHIRO, KATO YOSHINORI
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FI: B60K 26/02 F16B 5/02 W F16B 5/07 D
F16B 37/08 B F16B 21/18 A F16B 21/07 Z
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JA07, JA20, 3D037EA01, EB02, EC09, 3J001FA02, GA06, GB01, HA02, JA08, KA05, KA14, KA19,
KB01

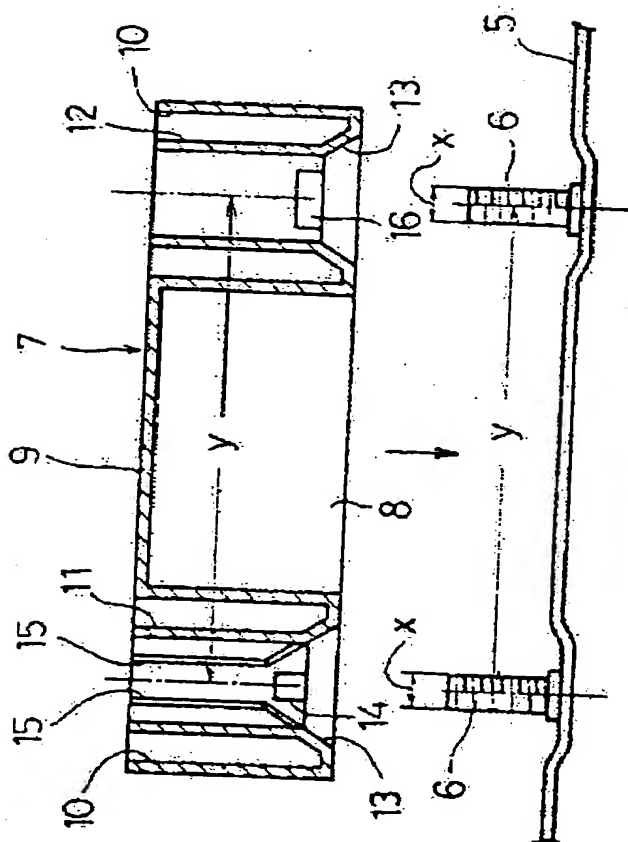
Expanded classification: 221,262

Fixed keyword:

Citation: [07,1993. 4.16,04] (04,JP, Unexamined Publication of Utility Mod
Unexamined Publication of Patent, S62-37507) (04,JP, Unexamined Publication of Pa
37507)

Title of invention: A mounting structure of member of framework
Abstract:

SUMMARY: batsu to engage with thread groove of bolt for elastic is left in the internal circumference of aperture of one for base among aperture of the complements for bolt fit, and click for and a positioning rib of a complement are established, because batsu formed along the line which bound aperture for the aperture and base together by breadth was left in the internal circumference of each aperture aside from it again, and click for was established, it comes with an assembly in member of framework with working property to be good in cost low, besides,, of distance of attaching bolt of a complement, it can cope to vary.
Additional word: Auto
(Machine Translation)



Priority country/date/number: () [] ()
 Classification of examiners decision/date: (decision of rejection) [1997/03/04]
 Final examinational transaction/date: () []
 Examination intermediate record:
 (A63 1987/ 8/12,PATENT APPLICATION UTILITY MODEL REGISTRATION APPLICATION,110
 (A621 1991/ 6/14,WRITTEN REQUEST FOR EXAMINATION,32000:)
 (A7D2 1991/ 9/ 5,NOTIFICATION OF LUMP CHANGE IN DOMICILE (REPRESENTATIVE),
 (A15 1992/10/20,DECISION OF PUBLICATION OF APPLICATION, :)
 (A641 1993/ 4/16,WRITTEN OPPOSITION,04400:)
 (A651 1993/ 5/17,WRITTEN SUPPLEMENT OF GROUNDS FOR OPPOSITION, :)
 (A364 1993/ 7/28,OPPOSITION RETURN, :)
 (A17 1993/10/19,INVITATION TO REPLY, :)
 (A57 1993/12/20,WRITTEN REPLY, :)
 (A523 1993/12/20,WRITTEN AMENDMENT, :)
 (A18 1994/ 7/26,INVITATION FOR REFUTATION, :)
 (A58 1994/ 9/19,WRITTEN REFUTATION, :)
 (A201 1997/ 3/ 4,DUPLICATE TRANSMITTAL (ADDRESSED TO APPLICANT), :)
 (A16 1997/ 3/ 4,DECISION OF OPPOSITION, :)
 (A16 1997/ 3/ 4,DECISION OF OPPOSITION, :)
 (A02 1997/ 3/ 4,DECISION OF REJECTION, :)

*** Trial no/date [] Kind of trial [] ***
 Demandant: -
 Defendand: -
 Opponent: -
 Classification of trial decision of opposition/date: () []
 Final disposition of trial or appeal/date: () []

Trial and opposition intermediate record:

Registration intermediate record:

Amount of annuities payment: year
Lapse date of right: []
Proprietor: -

⑩ 日本国特許庁 (JP)

⑪ 実用新案出願公開

⑫ 公開実用新案公報 (U)

昭64-29520

⑬ Int. Cl. *

識別記号

庁内整理番号

⑭ 公開 昭和64年(1989)2月22日

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F 16 B 5/02
21/18
37/08

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8948-3D
W-8714-3J
A-7053-3J
Z-7526-3J

審査請求 未請求 (全3頁)

⑮ 考案の名称 部材の取付構造

⑯ 実 願 昭62-123583

⑰ 出 願 昭62(1987)8月12日

⑱ 考 案 者 佐 藤 正 英

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外2名

㉒ 実用新案登録請求の範囲

複数の取付用ボルトを突出させた自動車等のボデーに前記各ボルトの底合用の複数の孔を備えた各種用途の部材を取付けるための構造であつて、

前記複数の孔のうち、基準用の1個の孔の内周には前記ボルトのねじ溝に弾性的に係合する抜止め用の爪と、ボルトの外周に所定方向より当接する少なくとも2個の位置決め用リブとを設け、また基準用の孔以外の前記各孔の内周には、その孔と基準用の孔とを結ぶ直線沿いに幅広に形成され、その幅方向の任意の位置でボルトのねじ溝に弾性的に係合可能とされた抜止め用の爪を設けたことを特徴とする部材の取付構造。

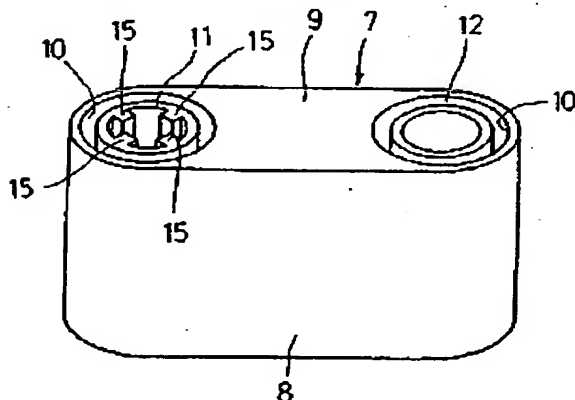
図面の簡単な説明

第1図は本考案の第1実施例に係る合成樹脂製

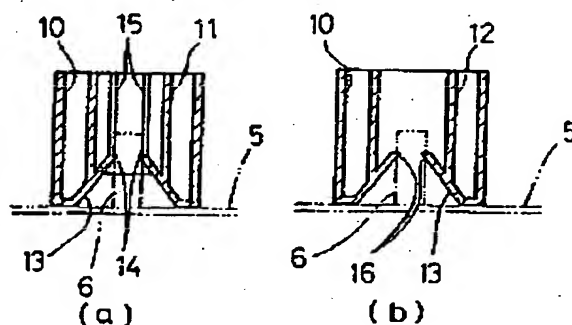
部材の斜視図、第2図はその平面図、第3図aは第2図のX-X断面図、第3図bは第2図のY-Y断面図、第4図は第2図のZ-Z断面図によつて合成樹脂製部材のボデー側への取付状態を示す図、第5図は位置決め用リブの他の実施例を示す断面図、第6図および第7図はそれぞれ抜止め用の爪の他の実施例を示す平面図、第8図aは抜止め用の爪の他の実施例を示す斜視図、第8図bは第8図aのJ-J断面図、第9図は従来例の分解斜視図、第10図はその取付状態の縦断面図である。

5……ボデー、6……スタッドボルト、7……部材、11、12……ボス、14……爪、15……リブ、16……爪。

第1図

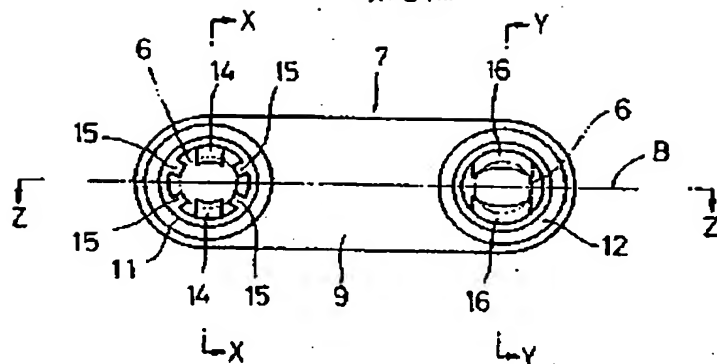


第3図

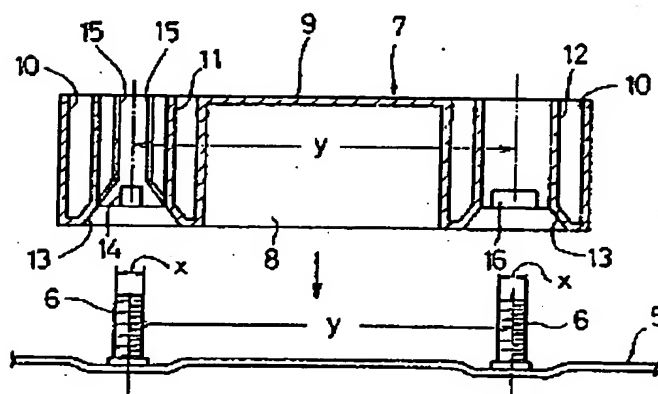


実開 昭64-29520(2)

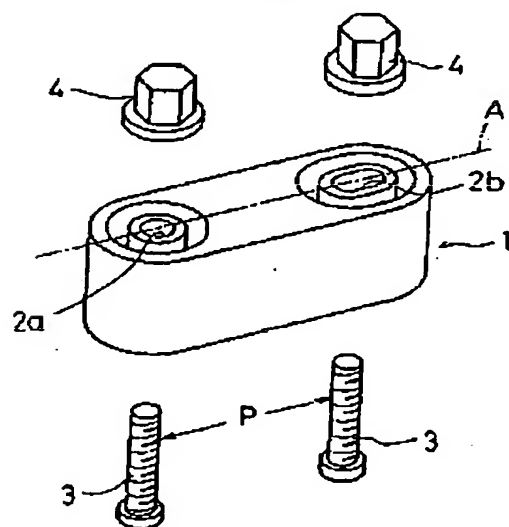
第2図



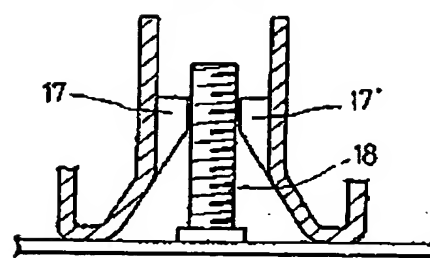
第4図



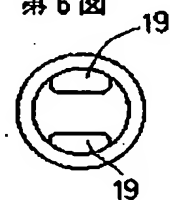
第9図



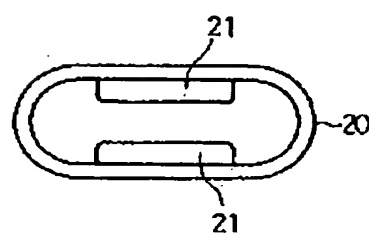
第5図



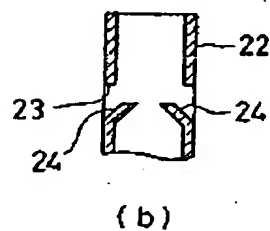
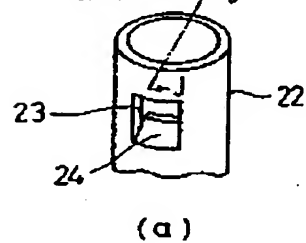
第6図



第7図



第8図



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第 10 図

